

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	1416321	cr or chromium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 22:16
L14	30	("20020028941" "20020166985" "20030036615" "20030050494" "20030166985" "20040180778" "4971986" "5438027" "5470926" "5523507" "5543375" "5551645" "5563312" "5689028" "5763723" "5786431" "5814575" "5856257" "5859303" "5919996" "5955555" "5986153" "6103946" "6214761" "6291733" "6380451" "6455648" "6489497" "6534691" "6555723").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/05 22:16
L15	1080701	oligomeri\$9 or polymeri\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:16
L16	954369	olefin\$3 or ethylene or ethene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 22:16
L17	359353	(catalyst or complex\$4) same (iron or cobalt or fe or co)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 22:16
L18	87436	L15 and L16 and L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:16
L19	1047	(585/511,512,523,521,522,527).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/05 22:16
L20	296	L19 and L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:16

## EAST Search History

L21	289	L20 not L14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:16
L22	163995	complex\$4 same (iron or cobalt or fe or co)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 22:16
L23	141	L22 and L21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:16
L24	50372	hexene or 1-hexene or s1h	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 22:16
L25	83	L24 and L23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:16
L26	43	13 and L25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 22:20
L27	71898	reynold\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:20
L28	1	26 and 27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:24
L29	1	("7049442").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/05 22:24

## EAST Search History

L31	1	(diluent or solvent) and 29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:30
L33	1	water and 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:31
L34	0	(cool or coolant) and 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 23:14
L35	0	(cool or coolant) and 29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 22:33
L36	24009	reactor with (cool or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 23:27
L37	129140	butane or isobutane or isopentane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 23:14
L38	56	36 with 37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 23:21
L39	16	38 and 15 and 16 and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 23:15

## EAST Search History

L40	29132	reactor with (cool or coolant or quench\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 23:29
L41	100	40 with 37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 23:28
L42	84843	reactor with (cool\$4 or coolant or quench\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 23:29
L43	399	42 with 37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 23:30
L44	197	43 and 15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 23:30
S1	30	("20020028941" "20020166985" "20030036615" "20030050494" "20030166985" "20040180778" "4971986" "5438027" "5470926" "5523507" "5543375" "5551645" "5563312" "5689028" "5763723" "5786431" "5814575" "5856257" "5859303" "5919996" "5955555" "5986153" "6103946" "6214761" "6291733" "6380451" "6455648" "6489497" "6534691" "6555723").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/04 15:42
S2	1080339	oligomeri\$9 or polymeri\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 15:42

## EAST Search History

S3	954209	olefin\$3 or ethylene or ethene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 15:42
S4	359299	(catalyst or complex\$4) same (iron or cobalt or fe or co)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 17:48
S5	17	S1 and S2 and S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 16:11
S6	73799	activat\$4 with catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 16:11
S7	14	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 16:11
S9	87431	S2 and S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 16:25
S10	1047	(585/511,512,523,521,522,527).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/04 16:26
S11	296	S10 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 16:27
S12	289	S11 not S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 16:27

## EAST Search History

S13	163978	complex\$4 same (iron or cobalt or fe or co)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 16:28
S14	141	S13 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 16:59
S15	50368	hexene or 1-hexene or s1h	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 17:00
S16	83	S15 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 17:06
S18	1	("5968866").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/04 17:48
S19	1	S18 and (iron or cobalt or fe or co)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 17:48